

UNITED STATES OF AMERICA:
DEPARTMENT OF AGRICULTURE.

MONTHLY WEATHER REVIEW.

DECEMBER, 1894.

PROF. CLEVELAND ABBE, EDITOR.

CONTENTS.

	Page.
INTRODUCTION	486
Data used in preparing this Review.	508
CHARACTERISTICS OF THE WEATHER	486
ATMOSPHERIC PRESSURE	486
General remarks; Normal pressure; Diurnal variation; Departures; Movements of centers; High areas; Low areas.	503
NORTH ATLANTIC METEOROLOGY	491
Normal conditions; North Atlantic storms; Ocean ice; Ocean fog.	504
TEMPERATURE OF THE AIR	491
General remarks; Normals; Monthly means; Departures; Years of highest and lowest mean temperature; Maximum and minimum temperature; Daily and monthly ranges; Accumulated temperature; Diurnal periodicity; Limits of freezing weather; Periods of high and low temperature; Areas of 20° rise and fall; Cold waves; Dew and hoar frost; Frosts.	506
HUMIDITY	496
General remarks; Average humidity; Wet-bulb temperatures.	505
PRECIPITATION	497
General remarks; Normal; Current; Departures; Accumulated precipitation; Diurnal variation; Years of greatest and least precipitation; Excessive precipitation; Maximum rainfall; Frequency of excessive precipitation; Exceptional precipitation; Hail; Sleet; Snowfall; Snow on ground.	506
WIND	502
Prevailing directions; Resultant winds; High winds; Local storms; Wind signals for November.	523
ATMOSPHERIC ELECTRICITY.....	508
General statistics; Thunderstorms; Lightning; Auroras; Canadian data.	508
METEOROLOGY AND MAGNETISM.....	508
General remarks; Comparison of temperature with magnetic force.	508
INLAND NAVIGATION.....	504
Stage of water in rivers; Ice in rivers and harbors.	504
SUNSHINE AND CLOUDINESS	505
OBSERVATIONS ON THE GREAT LAKES	505
STATE WEATHER SERVICES.....	506
NOTES BY THE EDITOR	507
METEOROLOGICAL TABLES.....	514-523
I. Climatological data, Weather Bureau stations; II. Temperature of the wet-bulb thermometer; III. Meteorological record, voluntary observers; IVa. Canadian data; IVa. Sunshine; IVb. Rainfall; V. Temperature; VI. Pressure; VII. Wind; VIII-IX. Resultant wind; Xa-Xb. Selected voluntary stations; XI. Thunderstorms and auroras; XII. State weather services.	514-523
CORRECTIONS AND ADDITIONS.....	523
CHARTS—I. Tracks of centers of low areas; II. Isobars, isotherms, and resultant winds; III. Total precipitation; IV. Tracks of centers of high areas; V. Temperature and magnetic force; VI. Total monthly snowfall; VII. Depth of snow on ground.	523

PREPARED BY DIRECTION OF
MARK W. HARRINGTON,
CHIEF OF WEATHER BUREAU.

PUBLISHED BY AUTHORITY OF THE SECRETARY OF AGRICULTURE.

WASHINGTON, D. C.:
WEATHER BUREAU.
1895.